Paper No. 16

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

EX parte SUSAN A. VISSER, and CHARLES E. HEWITT

Application No. 98-1865 Application No. 08/594,614

ON BRIEF

Before LIEBERMAN, TIMM and JEFFREY T. SMITH, Administrative Patent Judges.

LIEBERMAN, <u>Administrative Patent Judge</u>.

DECISION ON APPEAL

This is an appeal under 35 U.S.C. § 134 from the decision of the examiner refusing to allow claims 1 through 26, which are all the claims pending in this application

THE INVENTION

The invention is directed to a fuser member comprising a layer of an addition crosslinked polyorganosiloxane and copper oxide particles. Other features of the claimed subject matter are set forth in the following illustrative claim

THE CLAIM

Claims 1 is illustrative of appellants' invention and is reproduced below.

1. A fuser member having a layer comprising an addition crosslinked polyorganosiloxane elastomer, said layer having copper oxide particles dispersed therein in a concentration of from 5 to 40 volume percent of the total volume of said layer.

THE REFERENCES OF RECORD

Appeal No. 98-1865 Application No. 08/594,614

As evidence of obviousness, the examiner relies upon the following

5,269,740

Fratangelo et al. (Fizzerald 774) 5269,740 Pizzerald 174, 1999 Dec. 14, 1999 5,370,931

Dec. 6, 1994 Jan. 2, 1996 Fitzgerald et al. (Fitzgerald '725) 5,480,725

THE REJECTION

Claims 1 through 26 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Fratangelo and Fitzgerald '740 in view of Hartley, Fitzgerald '725, and Ni

OPINION

We have carefully considered all of the arouments advanced by the appellants and the examiner and agree with the appellants that the rejection of claims 1 through 26 on the grounds of obviousness is not well founded. Accordingly, we reverse this rejection

"The examiner bears the initial burden, on review of the prior art or on any other ground, of presenting a prima facie case of unpatentability," whether on the grounds of anticipation or obviousness. In re Oetiker, 977 F.2d 1443, 1445, 24 USPQ2d 1443, 1444

(Fed. Cir. 1992). On the record before us, the examiner relies upon a combination of five references to reject the claimed subject matter and establish a prima facie case of obviousness.

The Rejection under 35 U.S.C. Section 103(a)

The examiner's position, with respect to the aforementioned rejection, is premised on the view that, "filt would have been obvious to one of ordinary skill in the art to use copper oxide in the specifically claimed addition crosslinked polyorganosiloxane because of the suggestion of and the well known use of the prior art

We find that Fratancelo is directed to a fuser member comprising an alkene functional terminated polyorganosiloxane and a polymerization initiator. See column 6, lines 31-33. We further find that the fuser element contains about 1 to about 20 weight percent copper oxide. See column 2, lines 34-36. The examiner natively stated in the Answer that the range of copper oxide corresponds to the requirement of the claimed subject matter "of from 5 to 40 volume percent." In addition, to the extent that the weight percent of copper oxide disclosed by Fratangelo constitutes a finding by the examiner, Answer, page 3, the appellants have the absence of any contrary argument by the examiner that, "{|| the amount of copper oxide claimed (5 to 40 vol. %,) is above the maximum amount mentioned by Fratangelo (20 weight % which is about 4 vol. %,)." Brief, page 5. Accordingly, the disclosure of Fratangelo is insufficient in and of itself to establish a prima faci

have functional groups including acyloxy, alkenoxy, alkoxy, dialkylamino and alkyl iminoxy. See column 4, lines 15-18. The condensation crosslinked polydimethyl siloxane polymer has copper oxide particles present in a concentration of 25 to 40 percent by volume. See column 3, lines 30-37. In our view, however, the ad

Hartley discloses a cured fluoroelastomer having pendant polydiorganosiloxane units. See column 2, lines 1-7. The organosiloxane units are appended to the backbone during curing of the fluoroelastomer base which is dehydrofluorinated in order to provide for a reaction with a diorganosiloxane. See column 2, lines claimed subject matter. Moreover, a cured fluoroelastomer having pendant polydiorgano siloxane segments covalently bonded to the backbone is not an addition crosslinked polyorganosiloxane, as the siloxane moiety is pendant from the polymeric chain and not in and of itself crosslinked.

matter. See column 4, line 60 - column 7, line 29. The filler particles utilized in the claimed subject matter are tin(IV) oxide. In a comparative example, the filler particles are aluminum oxide. See Examples 1 to 3 and comparative Example A. However, there is no suggestion to substitute copper oxide filler particles in place.

Finally, Nielsen discloses fusing rolls which comprise a crosslinked elastomeric siloxane and a free radical initiator. See column 2, lines 42-62. The siloxane polymers contain viryl siloxane crosslinkable units. See column 3, lines 50-54. The viryl siloxane units are crosslinked with a free radical

It is well settled that it is the examiner who has the burden of establishing that one of ordinary skill in the art would have found the requisite motivation and reasonable expectation of success for the proposed modification from the applied prior art teachings. See In re View. 947 F.2d 488, 493, 20 USI 1438, 1442 (Fed. Cir. 1991); In re O'Farrell, 853 F.2d 894, 902, 7 USPQ2d 1673, 1680 (Fed. Cir. 1988). The record before has failed to provide the requisite motivation needed to combine the references in the manner suggested by the examiner

Decision

The rejection of claims 1 through 26 under 35 U.S.C. § 103(a) as being unpatentable over Fratangelo and Fitzgerald 740 in view of Hartley, Fitzgerald 725, and Nielsen is reversed

The decision of the examiner is reversed.

REVERSED

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Administrative Patent Judge

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APPEALS
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J. JEFFREY HAWLEY EASTMAN KODAK COMPANY PATENT LEGAL STAFF ROCHESTER, NY 14650-2201